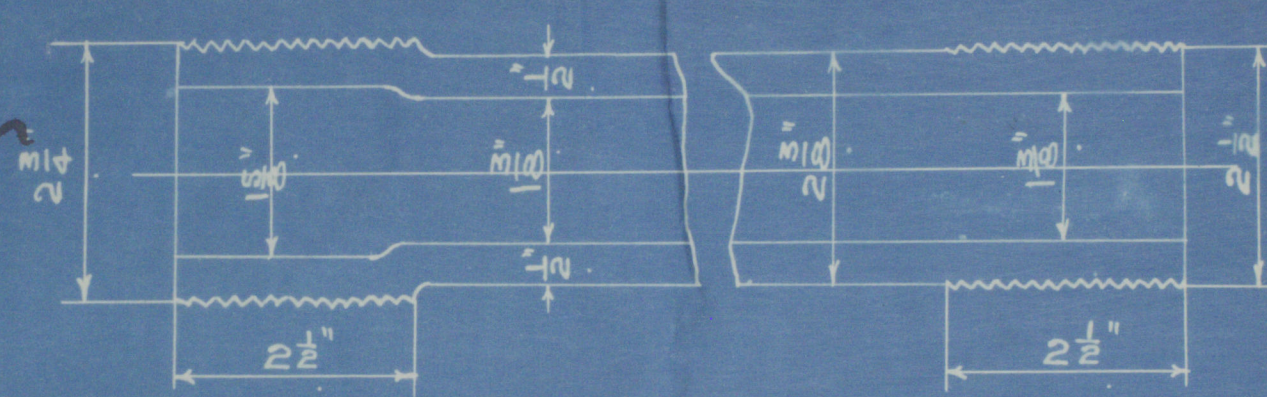
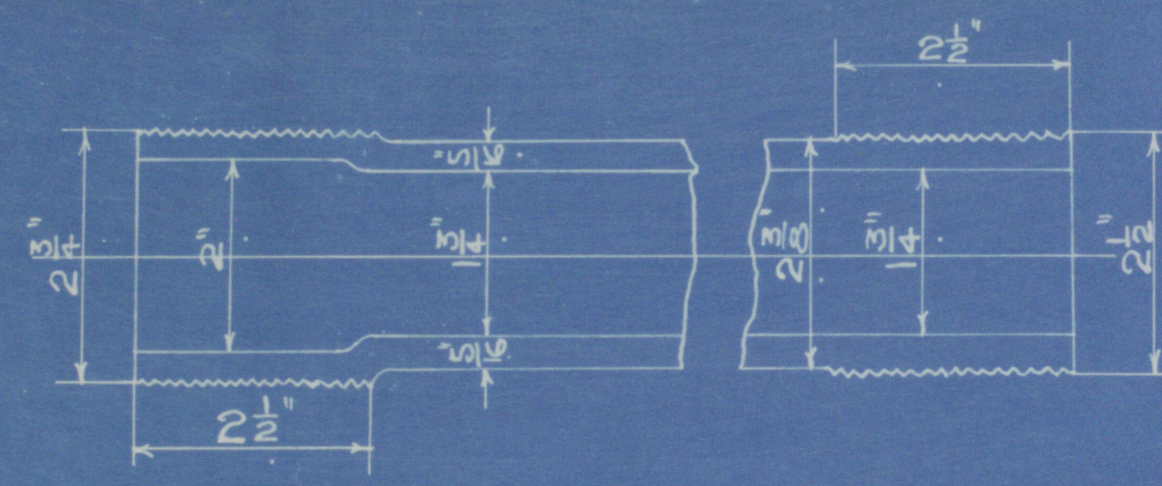


5643  
J.H.  
D.R.

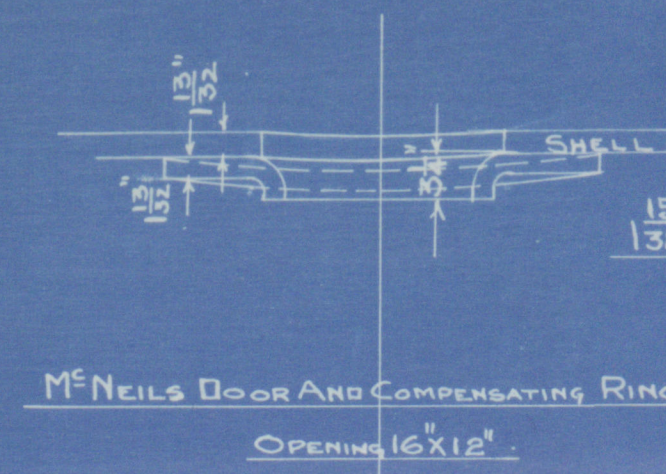
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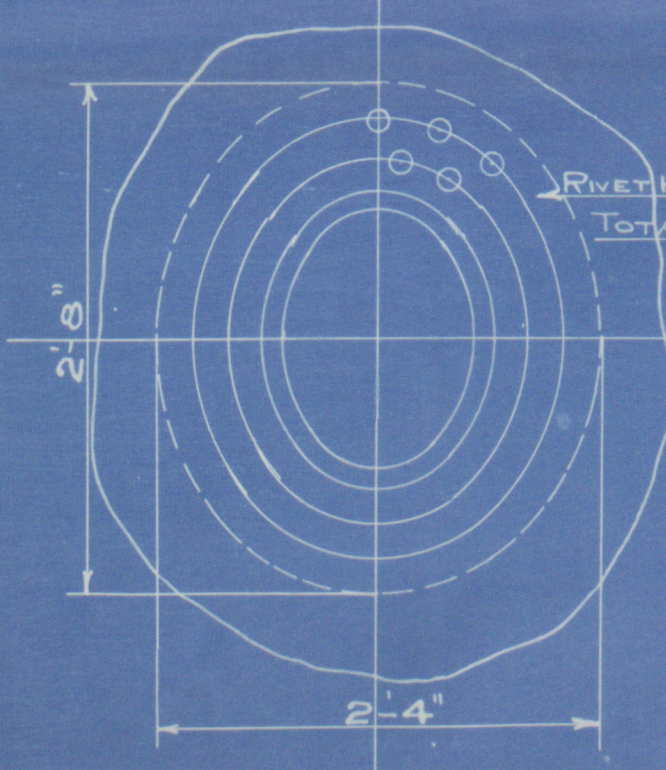
IRON STAY TUBES MARKED S.S. 9 THREADS PER INCH



IRON STAY TUBES MARKED S 9 THREADS PER



SHALL DOOR AND COMPENSATING RING

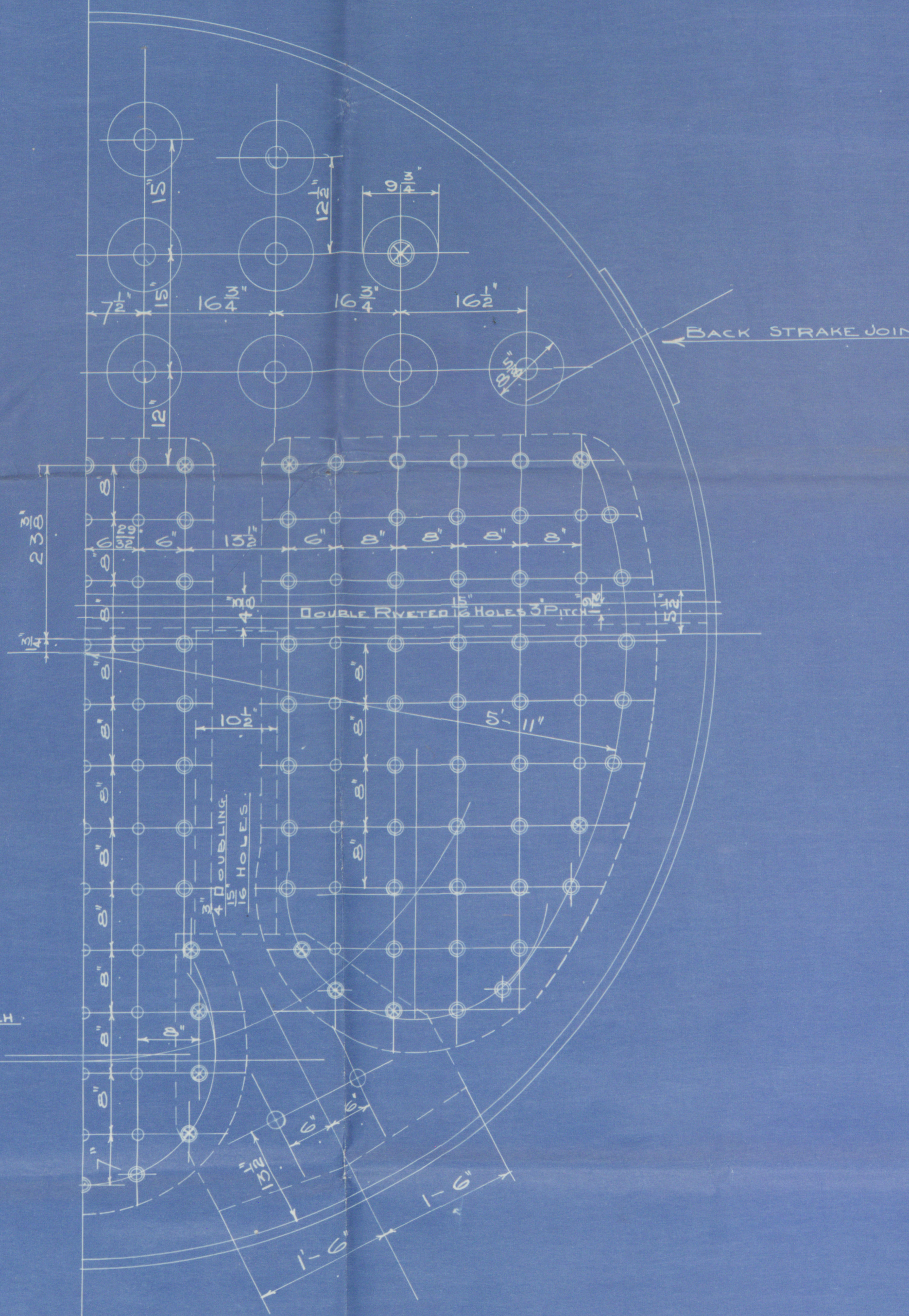
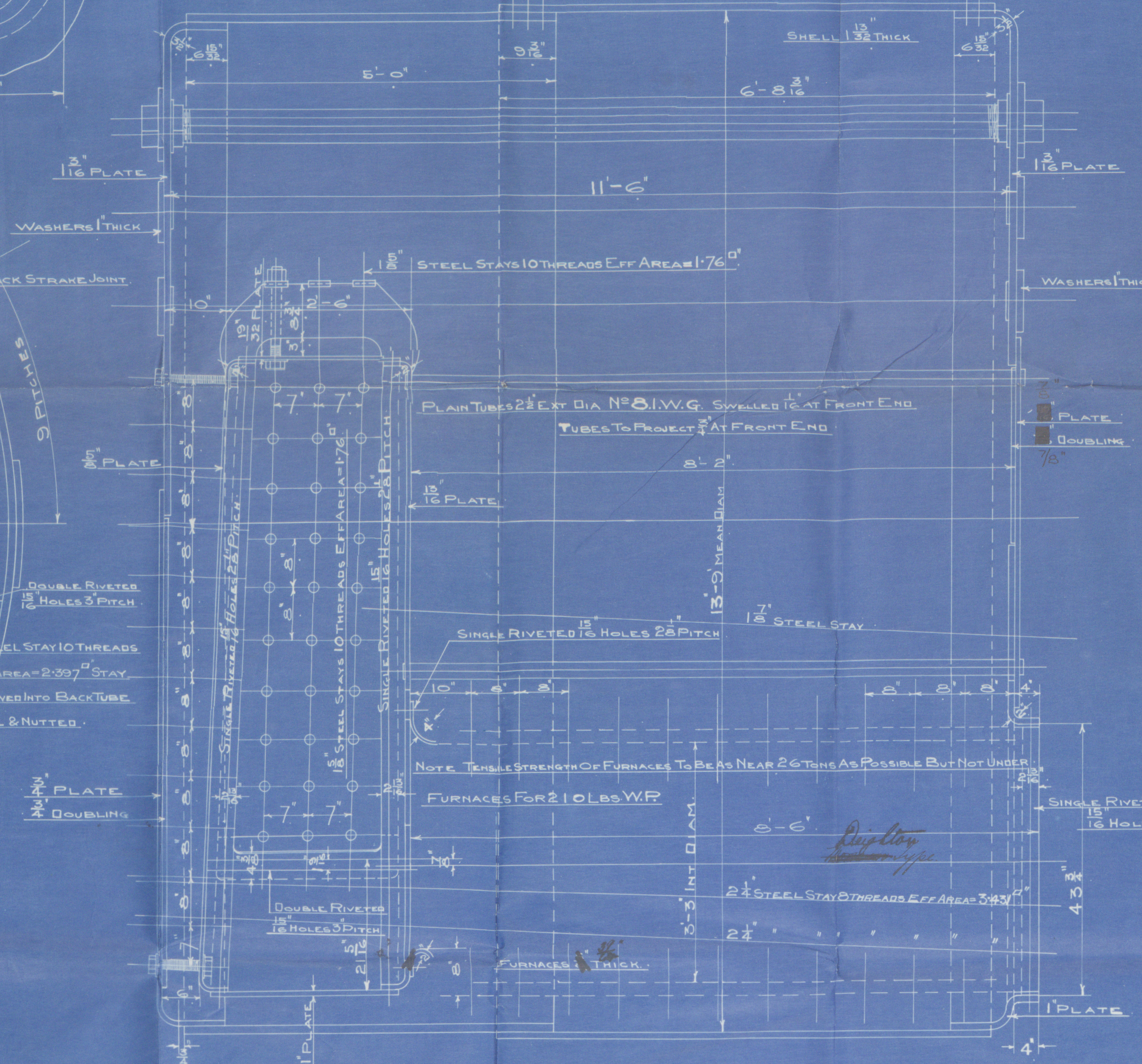
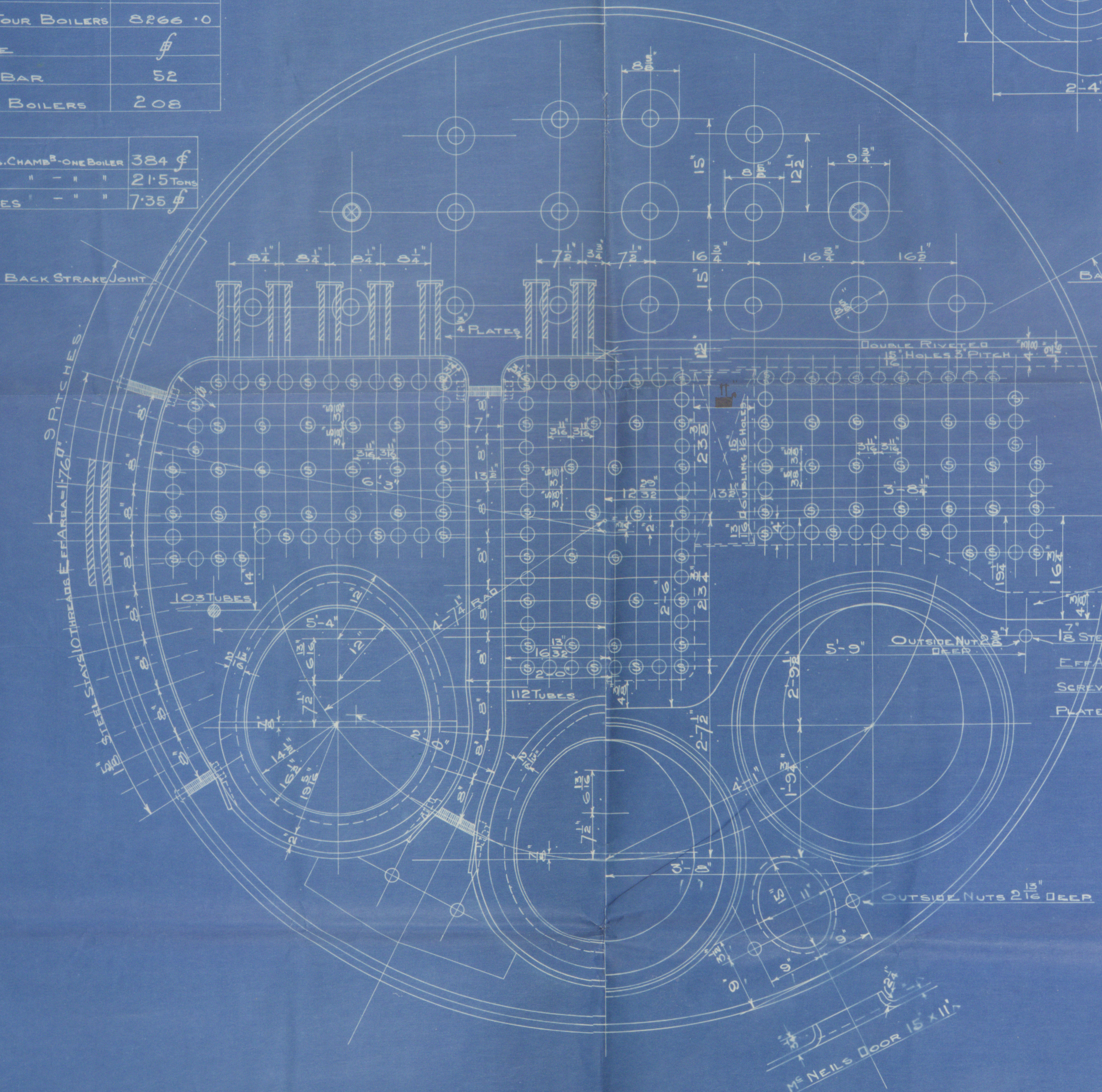


STEAM SPACE STAYS

STAYS MARKED 3/4" DIA 6 THREADS EFF AREA = 7.239  
" " " " " " " " = 5.537

HEATING SURFACE	SQUARE FEET
316 TUBES 2 1/2" EXT DIAM X 8'-2" LONG	1700
3 FURNACES 4 1/2" MEAN DIAM X 8'-2" LONG	145.5
TOP & SIDES OF FIREBOXES	106
BACKS	51
BACK TUBE PLATE	36
FRONT	28
TOTAL HEATING SURFACE IN ONE BOILER	2066.5
" " " " FOUR BOILERS	8266.0
GRATE SURFACE	52
3 FURNACES 39" INT DIA X 5'-4" BAR	52
TOTAL GRATE SURFACE IN FOUR BOILERS	208

STEAM SPACE FROM 3" ABOVE THE COMB. CHAMBER ONE BOILER	324 f
WEIGHT OF WATER PRESS	21.5 TONS
DRAUGHT AREA THROUGH THE TUBES	7.35 f



# MAIN BOILERS 4 OFF

13'-9" DIAM X 11'-6" LONG X 200 LBS W.P.  
TO PASS BOARD OF TRADE & LLOYDS SURVEYS.  
ALL MATERIAL STEEL EXCEPT TUBES WHICH ARE IRON

LONGITUDINAL JOINT.  
PLATE 1 1/2" RIVET HOLES 1 1/2" PITCH 3 1/2" OUTER BUTT STRAP 1 1/2" THICK INNER 1 1/2" THICK  
PERCENTAGE OF PLATE 84.95 RIVETS B.O.T. 84.99 LLOYDS 87.95  
FACTOR OF SAFETY 4.5 PRESSURE BY RULE B.O.T. 20 LLOYDS 230 Lbs

CENTRE CIRCUMFERENTIAL JOINT.  
PLATE 1 1/2" RIVET HOLES 1 1/2" PITCH 4 1/2" BARE  
PERCENTAGE OF PLATE 67.36 RIVETS B.O.T. 66.01 LLOYDS 68.3

END CIRCUMFERENTIAL JOINTS.  
PLATE 1 1/2" RIVET HOLES 1 1/2" PITCH 3 1/2"  
PERCENTAGE OF PLATE 58.03 RIVETS B.O.T. 56.58 LLOYDS 58.54

NOTE TENSILE STRENGTH OF SHELL PLATE 28 TO 32 TONS  
" " " " " " " " OTHER PLATES 26 TO 30

ALL RIVET HOLES DRILLED IN PLACE

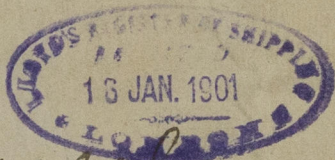
STAYS MARKED 1/2" DIA 10 THREADS EFF AREA = 2.066	
" " " " " " " " = 1.76	
" " " " " " " " = 1.476	

Nº 183

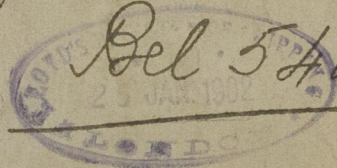
1/1/01



Belfast  
Workman, Charles SS. 183  
Main Railers



W.L. Kiwanu  
Bel 5400



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